

Title (en)

METHOD AND SYSTEM FOR THERMAL GRAPHIC PRINTING

Title (de)

SYSTEM UND VERFAHREN FÜR DAS THERMOGRAPHISCHE DRUCKEN

Title (fr)

PROCEDE ET SYSTEME D'IMPRESSION GRAPHIQUE THERMIQUE

Publication

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Application

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Abstract (en)

[origin: US5847743A] A thermal printing apparatus 41 that can transfer a colorant from a moving ribbon 66 onto printable areas 140a, 140b of a thermal print receptive sheeting 46. The apparatus 41 includes a thermal print head 44, a transport, a mechanism that can move the thermal print head 44 in a second direction x, a ribbon travel mechanism that is capable of supporting a ribbon 66, and a mechanism that allows colorant to be transferred to a thermal print receptive sheeting 46 while the ribbon travel mechanism is in operation and while the thermal print head 44 is moving in the second direction x. The ribbon 66 and the thermal print head 44 are in motion while the indicia is being printed on the thermal print receptive sheeting. The thermal print head 44 is elongate, has a length L of at least one centimeter, and extends substantially in a first direction y. An apparatus of this construction allows sheetings having a width greater than S to receive a thermally printed indicia without encountering a significant ribbon wrinkling problem because narrow ribbons may be employed in transferring the indicia onto the thermal print receptive sheeting. A single ribbon also can be used to print on sheetings of various widths.

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